

Earth's Interior Notes Review

Name: _____ Date: _____

Group: _____ Section: _____



- 1) Why is it difficult to determine Earth's interior structure?

- 2) What are seismic waves and how are they used to provide evidence about Earth's interior?

- 3) List and describe Earth's three main layers.

- 4) What is the difference between the lithosphere and the asthenosphere? In which layer is each located?

- 5) Classify each of the following layers as liquid, solid or solid but able to flow slowly: Lithosphere, asthenosphere, lower mantle, outer core, inner core.

Performance Task: Inferring Earth's Interior

You will have three closed containers, each containing a different material. Your goal is to determine what is inside each container - even though you are not allowed to directly observe what each contains.

1) What method did you use to indirectly observe the material in each container? (Did you shake, tap, roll, or weigh it?) Describe your method and your observations.

2) From your observations, what can you infer about the contents of the containers?

3) How is this container like the Earth?